



FACILITY COMPLIANCE AUDIT REPORT

Division of Waste Management Solid Waste Section

UNIT TYPE:											
Lined MSWLF		LCID		YW		Transfer		Compost	X	SLAS	COUNTY: Forsyth PERMIT NO.: SWC-34-23 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods		Incin		T&P		FIRM	
CDFL		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF	

Date of Audit: April 15, 2010

Date of Last Audit: October 9, 2009

FACILITY NAME AND ADDRESS:

Forum 52 Large, Type I Solid Waste Compost Facility
180 Northstar Drive
Rural Hall, NC 27045

GPS COORDINATES: N: 36.24074 E: -80.296104

FACILITY CONTACT NAME AND PHONE NUMBER:

Jan McHargue, Solid Waste Administrator
w. 336-747-7310
f. 336-727-8432
janm@cityofws.org

FACILITY CONTACT ADDRESS:

City/County Utilities
Jan McHargue, Solid Waste Administrator
PO Box 2511
Winston-Salem, NC 27102

AUDIT PARTICIPANTS:

John Patrone, NCDENR – Solid Waste Section (SWS)
Ed Gibson, Solid Waste Engineer – Hanes Mill Landfill

STATUS OF PERMIT:

Permit To Operate (PTO) issued July 26, 2005
PTO expires August 1, 2010

PURPOSE OF AUDIT:

Comprehensive Audit

NOTICE OF VIOLATION(S):

None

You are hereby advised that, pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Statute or Regulations. For the violation(s) noted here, you may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

STATUS OF PAST NOTED VIOLATION(S):

None

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AREAS OF CONCERN AND COMMENTS:

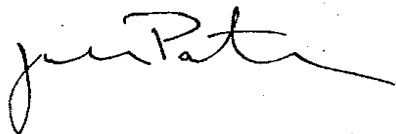
On April 15, 2010, John Patrone met with Ed Gibson to conduct a comprehensive audit of the Forum 52 Large, Type I Solid Waste Compost Facility in Rural Hall, Forsyth County.

1. The facility is a Large, Type I Solid Waste Compost (SWC) Facility. It produces compost from leaves, mulch from land clearing debris, and boiler fuel from wooden pallets and untreated and unpainted wood. Engineered wood products may be accepted but must be chipped into boiler fuel. The composting and grinding operations are operated by Mike Cooke - WRICO Equipment Corporation.
2. Facility operations were discussed with Ed Gibson at Hanes Mill Municipal Solid Waste Landfill (34-02) on April 15, 2010 and via telephone conversation on April 20, 2010.
3. The facility site plan and operations plan were discussed.
4. The facility receives most of its material from Winston-Salem city services. Due to its isolated location public use of the facility is limited.
5. Generally, compost is given-away to commercial businesses and the mulch is sold.
6. The facility receives leaves from ~ November through February and land clearing debris from ~ April through October.
7. Windrows are formed as leaves are received. Windrows are monitored for temperature when maximum length, width, and height are achieved.
8. Leaves are ground ~ 4 and 6 months prior to giveaway or sale.
9. The compost area contained six windrows of leaves (4 windrows, each ~ 180'x10'x10' and 2 windrows, each ~ 75'x10'x10') and a small pile of compost.
10. Mr. Gibson stated that temperature readings have not been conducted to-date. The facility will have the leaves ground in ~ 30 days and temperature readings conducted. Temperature readings are taken at ~ 50 foot intervals along an upper and lower section of the windrows. Windrow temperature must be maintained at $\geq 131^{\circ}\text{F}$ for three consecutive days.
11. The facility has ~ 2,000 yd³ of land clearing debris on-site, a pile of pallets mixed with untreated and unpainted wood, and two piles of mulch (mulch piles, each ~ 50'x10'x10').
12. The amount of leaves on-site (to-date) is ~ 964.30 tons and the amount of land clearing debris, mulch, wooden pallets, and untreated and unpainted wood collected and/or processed through the facility (July 2009 through March 2010) is 2,790.41 tons. Facility throughput of compost and mulch for July 2008 through June 2009 is 8,487.13 tons (5,959.96 tons compost and 2,527.17 tons mulch).
13. The facility appeared to meet all required setbacks and there was no indication of erosion.
14. Runoff from the windrows (of leaves) travels along the edge of the pad to two channels onto a grassy area where it is dispersed.
15. Mr. Gibson was asked to have the windrows turned/aerated/ground to limit runoff and minimize odor.
16. The facility maintains a fire lane around the perimeter of the material on-site.
17. Proper signage was posted at the facility entrance.
18. The site is secured by a locked gate and a scale house operator is on duty during business hours.

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Please contact me if you have any questions or concerns regarding this audit report.



Phone: 336-771-5095 Fax: 336-771-4631

John Patrone
Environmental Senior Specialist
Regional Representative

Delivered on : <u>April 21, 2010</u> by		Hand delivery	X	US Mail		Certified No. <u> </u>
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cc: Mark Poindexter, Field Operations Branch Supervisor
Jason Watkins, Central Regional Supervisor
Donald Herndon, Compliance Officer
Michael Scott, Composting & Land Application Branch Head